

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 26, 2005, 12:22:17 ; Search time 133 Seconds

(without alignments)
260.228 Million cell updates/sec

Title: US-09-814-661A-2

Perfect score: 104

Sequence: 1 MNSQDYFYAQNRCQQQAP.....FGSGELKSNFQKVEEMDF 104

Scoring table:

Gapop 60.0 , Gapext 60.0

Searched: 1424015 seqs, 332791073 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1424015

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : Published Applications AA.*

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- 2: /cgn2_6/ptodata/1/pubpaa/FCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
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- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
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- 20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	9	8.7	9	9	US-09-814-661A-27
3	9	8.7	118	15	US-10-424-599-271082
4	9	8.7	131	10	US-09-934-455-266
5	9	8.7	131	15	US-10-225-066A-368
6	9	8.7	131	15	US-10-374-780A-2136
7	9	8.7	150	14	US-10-156-824A-33
8	9	8.7	163	15	US-10-425-114-37300
9	9	8.7	244	15	US-10-424-599-271081
10	9	8.7	326	15	US-10-424-599-285415
11	9	8.7	581	15	US-10-425-114-66649
12	9	8.7	628	16	US-10-437-963-180769
13	8	7.7	20	15	US-10-283-017-2063

14	8	7.7	20	15	US-10-283-017-2064	Sequence 2064, Ap
15	8	7.7	20	15	US-10-283-017-2065	Sequence 2065, Ap
16	8	7.7	66	16	US-10-437-963-148748	Sequence 148748, A
17	8	7.7	106	16	US-10-767-701-55940	Sequence 55940, A
18	8	7.7	123	16	US-10-437-963-125178	Sequence 125178, A
19	8	7.7	127	16	US-10-437-963-202764	Sequence 202764, A
20	8	7.7	171	16	US-10-767-701-46874	Sequence 46874, A
21	8	7.7	172	16	US-10-767-701-56882	Sequence 56882, A
22	8	7.7	176	15	US-10-424-599-257669	Sequence 257669, A
23	8	7.7	178	15	US-10-424-599-251873	Sequence 251873, A
24	8	7.7	182	16	US-10-767-701-51625	Sequence 51625, A
25	8	7.7	183	16	US-10-767-701-36422	Sequence 36422, A
26	8	7.7	193	16	US-10-437-963-173242	Sequence 173242, A
27	8	7.7	194	16	US-10-437-963-104327	Sequence 104327, A
28	8	7.7	198	15	US-10-424-599-250423	Sequence 250423, A
29	8	7.7	209	16	US-10-767-701-56522	Sequence 56522, A
30	8	7.7	211	16	US-10-437-963-159894	Sequence 159894, A
31	8	7.7	221	9	US-09-925-298-483	Sequence 483, App
32	8	7.7	221	14	US-10-102-806-483	Sequence 483, App
33	8	7.7	231	16	US-10-437-963-173471	Sequence 173471, A
34	8	7.7	245	16	US-10-767-701-40360	Sequence 40360, A
35	8	7.7	261	16	US-10-767-701-36196	Sequence 36196, A
36	8	7.7	273	14	US-10-180-375-26	Sequence 26, Appl
37	8	7.7	273	15	US-10-183-687-42	Sequence 42, Appl
38	8	7.7	298	16	US-10-437-963-145986	Sequence 145986, A
39	8	7.7	317	10	US-09-934-455-12	Sequence 12, Appl
40	8	7.7	317	15	US-10-225-066A-678	Sequence 678, App
41	8	7.7	317	15	US-10-374-780A-28	Sequence 28, Appl
42	8	7.7	329	16	US-10-437-963-136838	Sequence 136838, A
43	8	7.7	360	16	US-10-437-963-139083	Sequence 139083, A
44	8	7.7	371	15	US-10-335-977-7362	Sequence 7362, Ap
45	8	7.7	371	16	US-10-437-963-180980	Sequence 180980, A

ALIGNMENTS

RESULT 1

US-09-814-661A-2
; Sequence 2, Application US/09814661A
; Patent No. US20020151016A1
; GENERAL INFORMATION:
; APPLICANT: Roche/Genentech, Inc.
; TITLE OF INVENTION: A SMALL PROTEIN THAT INTERACTS WITH A RIBONUCLEOTIDE REDUCTASE SUI
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 0575/56615-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/814,661A
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 104
; TYPE: PRT
; ORGANISM: S. Cerevisiae
; US-09-814-661A-2

Query Match 100.0%; Score 104; DB 9; Length 104;
Best Local Similarity 100.0%; Pred. No. 2.9e-95;
Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MNSQDYFYAQNRCQQQAPSLRTVTMAEPRRVLPPMAEVPMLSTQNSMGSSASASAS 60
DB 1 MNSQDYFYAQNRCQQQAPSLRTVTMAEPRRVLPPMAEVPMLSTQNSMGSSASASAS 60
QY 61 SLEWMEKDLERLNSIDHDMNNKFGSGELKSNFQKVEEMDF 104
DB 61 SLEWMEKDLERLNSIDHDMNNKFGSGELKSNFQKVEEMDF 104

RESULT 2

US-09-814-661A-27
; Sequence 27, Application US/09814661A

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; Patent No. US20020151016A1
; GENERAL INFORMATION:
; APPLICANT: Rothstein, Rodney
; APPLICANT: Zhao, Xiaolan
; TITLE OF INVENTION: A SMALL PROTEIN THAT INTERACTS WITH A RIBONUCLEOTIDE REDUCTASE SU
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 0575/56615-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/814,661A
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Peptide
US-09-814-661A-27

Query Match      8.7%; Score 9; DB 9; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.3e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 96 QGKVEEMDF 104
Db 1 QGKVEEMDF 9

RESULT 3
US-10-424-599-271082
; Sequence 271082, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 271082
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_86805C.1.pap
US-10-424-599-271082

Query Match      8.7%; Score 9; DB 15; Length 118;
Best Local Similarity 100.0%; Pred. No. 0.62;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 SSASASASS 61
Db 105 SSASASASS 113

RESULT 4
US-09-934-455-266
; Sequence 266, Application US/09934455
; Publication No. US20030121070A1
; GENERAL INFORMATION:
; APPLICANT: Adam, Luc
; APPLICANT: Creelman, Robert
; APPLICANT: Dubell, Arnold
; APPLICANT: Heard, Jacqueline
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Keddie, James
; APPLICANT: Pilgrim, Marsha
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Reuber, Lynne
; APPLICANT: Riechmann, Jose Luis
```

```
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Pineda, Omaira
; TITLE OF INVENTION: Genes for Modifying Plant Traits IV
; FILE REFERENCE: MBI-0025
; CURRENT APPLICATION NUMBER: US/09/934,455
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227439
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: MBI-0022
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: MBI-0023
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 516
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 266
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-09-934-455-266

Query Match      8.7%; Score 9; DB 10; Length 131;
Best Local Similarity 100.0%; Pred. No. 0.69;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 SSASASASS 61
Db 91 SSASASASS 99

RESULT 5
US-10-225-066A-368
; Sequence 368, Application US/10225066A
; Publication No. US20030226173A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: RIECHMANN, Jose Luis
; APPLICANT: ADAM, Luc J
; APPLICANT: DUBELL, Arnold T
; APPLICANT: HEARD, Jacqueline E
; APPLICANT: PILGRIM, Marsha L
; APPLICANT: JIANG, Cai-Zhong
; APPLICANT: REUBER, T. Lynne
; APPLICANT: CREELMAN, Robert A
; APPLICANT: PINEDA, Omaira
; APPLICANT: YU, Guo-Liang
; APPLICANT: BROUN, Pierre E
; TITLE OF INVENTION: Yield-Related Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI0036-2 US
; CURRENT APPLICATION NUMBER: US/10/225,066A
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 09/837,444
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 1122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 368
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-225-066A-368

Query Match      8.7%; Score 9; DB 15; Length 131;
Best Local Similarity 100.0%; Pred. No. 0.69;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 53 SSASASASS 61
Db 91 SSASASASS 99

RESULT 6

US-10-374-780A-2136
; Sequence 2136, Application US/10374780A
; Publication No. US20040019927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James E
; APPLICANT: Broun, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell III, Arnold T
; APPLICANT: Pineda, Omaira
; APPLICANT: Yu, Guo-Liang

; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
; FILE REFERENCE: MBI-0047 CIP
; CURRENT APPLICATION NUMBER: US/10/374,780A
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: 09/837,944
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/934,455
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 10/225,066
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,067
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,068
; PRIOR FILING DATE: 2002-08-09
; NUMBER OF SEQ ID NOS: 2906
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2136
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G1795 Paralogous to G1792
US-10-374-780A-2136

Query Match 8.7%; Score 9; DB 15; Length 131;
Best Local Similarity 100.0%; Pred. No. 0.69;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 SSASASASS 61
Db 91 SSASASASS 99

RESULT 7

US-10-156-824A-33
; Sequence 33, Application US/10156824A
; Publication No. US20030108521A1
; GENERAL INFORMATION:
; APPLICANT: Calatrava, Manuel Rosa

; TITLE OF INVENTION: Adenovirus Protein IX, its Domain Involved in Capsid Assembly,

; TITLE OF INVENTION: Transcriptional Activity, and Nuclear Reorganization
; FILE REFERENCE: 032751-065
; CURRENT APPLICATION NUMBER: US/10/156,824A
; CURRENT FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: US 60/293,974
; PRIOR FILING DATE: 2001-05-30
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: mutant of Ad5 pix connected to the 7K binding
; OTHER INFORMATION: moiety through the use of a spacer
US-10-156-824A-33

Query Match 8.7%; Score 9; DB 14; Length 150;
Best Local Similarity 100.0%; Pred. No. 0.77;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 GSSASASAS 60
Db 133 GSSASASAS 141

RESULT 8

US-10-425-114-37300
; Sequence 37300; Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 37300
; LENGTH: 163
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB83-014-E11_FLI.pep
US-10-425-114-37300

Query Match 8.7%; Score 9; DB 15; Length 163;
Best Local Similarity 100.0%; Pred. No. 0.83;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 SSASASASS 61
Db 132 SSASASASS 140

RESULT 9

US-10-424-599-271081
; Sequence 271081, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599

; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 271081
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_86804C.1.pap
US-10-424-599-271081

Query Match 8.7%; Score 9; DB 15; Length 244;
Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 SSASASASS 61
Db 143 SSASASASS 151

RESULT 10
US-10-424-599-285415
; Sequence 285415, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 285415
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Glycine max
; NAME/KEY: unsure
; LOCATION: (1)..(326)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_99759C.1.pap
US-10-424-599-285415

Query Match 8.7%; Score 9; DB 15; Length 326;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 SSASASASS 61
Db 8 SSASASASS 16

RESULT 11
US-10-425-114-66649
; Sequence 66649, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 66649

; LENGTH: 581
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4741-043-G8_FLI.pap
US-10-425-114-66649

Query Match 8.7%; Score 9; DB 15; Length 581;
Best Local Similarity 100.0%; Pred. No. 2.6;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 SASASASSL 62
Db 289 SASASASSL 297

RESULT 12
US-10-437-963-180769
; Sequence 180769, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Boukharov, Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 180769
; LENGTH: 628
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_78108C.1.pap
US-10-437-963-180769

Query Match 8.7%; Score 9; DB 16; Length 628;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 SSASASASS 61
Db 8 SSASASASS 16

RESULT 13
US-10-283-017-2063
; Sequence 2063, Application US/10283017
; Publication No. US20030211510A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Kalos, Michael D.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Durham, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C20

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; CURRENT APPLICATION NUMBER: US/10/283,017
; CURRENT FILING DATE: 2002-10-28
; NUMBER OF SEQ ID NOS: 2157
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2063
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-283-017-2063

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Query Match          7.7%; Score 8; DB 15; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      54 SASASASS 61
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DB      11 SASASASS 18

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RESULT 14

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US-10-283-017-2064
; Sequence 2064, Application US/10283017
; Publication No. US20030211510A1
; GENERAL INFORMATION:

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; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Kalos, Michael D.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Durham, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria

```

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; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C20

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; CURRENT APPLICATION NUMBER: US/10/283,017
; CURRENT FILING DATE: 2002-10-28
; NUMBER OF SEQ ID NOS: 2157
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2064
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-283-017-2064

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Query Match          7.7%; Score 8; DB 15; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      54 SASASASS 61
      |||||
DB      6 SASASASS 13

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RESULT 15

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US-10-283-017-2065
; Sequence 2065, Application US/10283017
; Publication No. US20030211510A1
; GENERAL INFORMATION:

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; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Kalos, Michael D.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Durham, Margarita
; APPLICANT: Carter, Darrick

```

```

; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C20
; CURRENT APPLICATION NUMBER: US/10/283,017
; CURRENT FILING DATE: 2002-10-28
; NUMBER OF SEQ ID NOS: 2157
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2065
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-283-017-2065

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Query Match          7.7%; Score 8; DB 15; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      54 SASASASS 61
      |||||
DB      1 SASASASS 8

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Search completed: April 26, 2005, 12:36:41
Job time : 134 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 26, 2005, 12:12:21 ; Search time 42 Seconds
(without alignments)
184.845 Million cell updates/sec

Title: US-09-814-661A-2

Perfect score: 104

Sequence: 1 MQNSQDYFYAQRCCQQQAP.....FGSGEL'KSMFNQGVEMDP 104

Scoring table: OIIGO

Gapop 60.0 , Gapext 60.0

Searched: 513545 seqs, 74649064 residues

Word size : 0

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents AA.*
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3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.p.p.*
6: /cgn2_6/ptodata/1/iaa/backfiles.p.p.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	8	7.7	86	4	US-09-270-767-57072
2	8	7.7	237	4	US-09-270-767-41826
3	8	7.7	250	4	US-09-248-796A-16529
4	8	7.7	313	4	US-09-270-767-37193
5	8	7.7	313	4	US-09-270-767-52410
6	8	7.7	389	4	US-09-248-796A-25340
7	8	7.7	400	4	US-09-073-009-126
8	8	7.7	400	4	US-09-073-010-126
9	8	7.7	474	4	US-09-702-705-1812
10	8	7.7	474	4	US-09-736-457-1812
11	8	7.7	474	4	US-09-671-325-1812
12	8	7.7	474	4	US-09-538-092-1279
13	8	7.7	523	3	US-08-606-505B-67
14	8	7.7	523	3	US-09-616-990-67
15	8	7.7	536	4	US-09-252-991A-16754
16	8	7.7	651	1	US-08-431-080-24
17	8	7.7	651	2	US-08-938-534-24
18	8	7.7	651	3	US-09-345-294-24
19	8	7.7	738	3	US-08-864-038A-3
20	8	7.7	909	3	US-09-425-383-2
21	8	7.7	921	4	US-09-699-266A-9
22	7	6.7	10	4	US-09-498-134A-8
23	7	6.7	12	4	US-09-402-401C-45
24	7	6.7	15	3	US-08-218-369-1
25	7	6.7	15	4	US-09-904-599A-1
26	7	6.7	15	5	PCT-US95-03742-1
27	7	6.7	54	1	US-08-605-053-1

28 7 6.7 66 4 US-09-583-110-5218 Sequence 5218, Ap
29 7 6.7 80 4 US-09-252-991A-28197 Sequence 28197, Ap
30 7 6.7 93 4 US-09-107-433-2870 Sequence 2870, Ap
31 7 6.7 104 4 US-09-248-796A-27741 Sequence 27741, Ap
32 7 6.7 116 4 US-09-513-999C-7876 Sequence 7876, Ap
33 7 6.7 119 4 US-09-270-767-56890 Sequence 56890, Ap
34 7 6.7 127 4 US-09-328-352-5505 Sequence 5505, Ap
35 7 6.7 130 4 US-09-270-767-37854 Sequence 37854, Ap
36 7 6.7 130 4 US-09-270-767-53071 Sequence 53071, Ap
37 7 6.7 139 4 US-09-252-991A-23135 Sequence 23135, Ap
38 7 6.7 143 4 US-09-513-999C-5076 Sequence 5076, Ap
39 7 6.7 145 4 US-09-252-991A-22334 Sequence 22334, Ap
40 7 6.7 171 4 US-09-248-796A-22616 Sequence 22616, Ap
41 7 6.7 180 4 US-09-252-991A-28297 Sequence 28297, Ap
42 7 6.7 181 4 US-09-270-767-35340 Sequence 35340, Ap
43 7 6.7 181 4 US-09-270-767-50557 Sequence 50557, Ap
44 7 6.7 183 4 US-09-252-991A-17497 Sequence 17497, Ap
45 7 6.7 203 4 US-09-538-092-11 Sequence 11, Appl

ALIGNMENTS

RESULT 1

US-09-270-767-57072
; Sequence 57072, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 57072
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-57072

Query Match 7.7%; Score 8; DB 4; Length 86;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 SSASASAS 60
DB 32 SSASASAS 39

RESULT 2

US-09-270-767-41826
; Sequence 41826, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 41826
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-41826

Query Match 7.7%; Score 8; DB 4; Length 237;
Best Local Similarity 100.0%; Pred. No. 3.7;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 SSASASAS 60

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Db      183 SSASASAS 130

RESULT 3
US-09-248-796A-16529
; Sequence 16529, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248.796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 16529
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-16529

Query Match      7.7%; Score 8; DB 4; Length 250;
Best Local Similarity 100.0%; Pred. No. 3.9;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      53 SSASASAS 60
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Db      120 SSASASAS 127

RESULT 4
US-09-270-767-37193
; Sequence 37193, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270.767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 37193
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-37193

Query Match      7.7%; Score 8; DB 4; Length 313;
Best Local Similarity 100.0%; Pred. No. 4.8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      54 SASASASS 61
      |||||
Db      53 SASASASS 60

RESULT 5
US-09-270-767-52410
; Sequence 52410, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270.767
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; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 52410
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-52410

Query Match      7.7%; Score 8; DB 4; Length 313;
Best Local Similarity 100.0%; Pred. No. 4.8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      54 SASASASS 61
      |||||
Db      53 SASASASS 60

RESULT 6
US-09-248-796A-25340
; Sequence 25340, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248.796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 25340
; LENGTH: 389
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-25340

Query Match      7.7%; Score 8; DB 4; Length 389;
Best Local Similarity 100.0%; Pred. No. 5.8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      53 SSASASAS 60
      |||||
Db      228 SSASASAS 235

RESULT 7
US-09-073-009-126
; Sequence 126, Application US/09073009
; Patent No. 6555653
; GENERAL INFORMATION:
; APPLICANT: Alderson, Mark
; APPLICANT: Dillon, Davin C.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Campos-Neto, Antonio
; TITLE OF INVENTION: COMPOUNDS AND DIAGNOSIS OF
; NUMBER OF SEQUENCES: 144
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY
; STREET: 6300 Columbia Center, 701 Fifth Ave.
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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TUBERCULOSIS AND ME

;; SOFTWARE: PatentIn Release #1.0, Version #1.3.0
;; CURRENT APPLICATION NUMBER: US/09/073,009
;; FILING DATE: 05-MAY-1998
;; CLASSIFICATION:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Maki, David J.
;; REGISTRATION NUMBER: 31,392
;; REFERENCE/DOCKET NUMBER: 210121.441C1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 206-622-4900
;; TELEFAX: 206-682-6031
;; INFORMATION FOR SEQ ID NO: 126:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 400 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-09-073-009-126

Query Match 7.7%; Score 8; DB 4; Length 400;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 52 GSSASASA 59
Db 156 GSSASASA 163

RESULT 8

US-09-073-010-126
; Sequence 126, Application US/09073010
; Patent No. 6613881

GENERAL INFORMATION:

; APPLICANT: Alderson, Mark
; APPLICANT: Dillon, Davin C.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Campos-Neto, Antonio
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS OF TUBERCULOSIS AND
; NUMBER OF SEQUENCES: 144
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY
; STREET: 6300 Columbia Center, 701 Fifth Ave.
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/073,010
; FILING DATE: 05-MAY-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.440C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-622-4900
; TELEFAX: 206-682-6031
; INFORMATION FOR SEQ ID NO: 126:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 400 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-073-010-126

Query Match 7.7%; Score 8; DB 4; Length 400;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 52 GSSASASA 59
Db 156 GSSASASA 163

RESULT 9

US-09-702-705-1812
; Sequence 1812, Application US/09702705
; Patent No. 6504010

GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1812
; LENGTH: 474
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-702-705-1812

Query Match 7.7%; Score 8; DB 4; Length 474;
Best Local Similarity 100.0%; Pred. No. 6.9;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 54 SASASASS 61
Db 266 SASASASS 273

RESULT 10

US-09-736-457-1812
; Sequence 1812, Application US/09736457
; Patent No. 6509448

GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, AiJun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1812
; LENGTH: 474
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-736-457-1812

Query Match 7.7%; Score 8; DB 4; Length 474;
Best Local Similarity 100.0%; Pred. No. 6.9;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 SASASASS 61
| | | | | | | |
Db 266 SASASASS 273

RESULT 11

US-09-671-325-1812
; Sequence 1812, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1812
; LENGTH: 474
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-671-325-1812

Query Match 7.7%; Score 8; DB 4; Length 474;
Best Local Similarity 100.0%; Pred. No. 6.9;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 SASASASS 61
| | | | | | | |
Db 266 SASASASS 273

RESULT 12

US-09-538-092-1279
; Sequence 1279, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuratPatSeqFormatter Version 0.9
; SEQ ID NO 1279
; LENGTH: 474
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (0)-(0)
; OTHER INFORMATION: Polypeptide Accession Number Q06945
US-09-538-092-1279

Query Match 7.7%; Score 8; DB 4; Length 474;

Best Local Similarity 100.0%; Pred. No. 6.9;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 SASASASS 61
| | | | | | | |
Db 266 SASASASS 273

RESULT 13

US-08-606-505B-67
; Sequence 67, Application US/08606505B
; Patent No. 6114601
; GENERAL INFORMATION:
; APPLICANT: KIKUCHI, Yasuhiro
; APPLICANT: KIYOKAWA, Shigeto
; APPLICANT: SHIMADA, Yukihisa
; APPLICANT: OHEAVASHI, Masaya
; APPLICANT: SHIMADA, Ritsuko
; APPLICANT: OKINAKA, Yasushi
; TITLE OF INVENTION: NOVEL PLANT GENES
; NUMBER OF SEQUENCES: 67
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FITZPATRICK, CELLA, HARPER & SCINTO
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10112-3801
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.50 inch, 720 kb storage.
; COMPUTER: IBM PS/V
; OPERATING SYSTEM: MS-DOS Ver3.30
; SOFTWARE: PATENT AID Ver1.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/606,505B
; FILING DATE: 23-MAR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP44963/92
; FILING DATE: 02-MAR-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Perry, Lawrence S.
; REGISTRATION NUMBER: 31865
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-218-2100
; TELEFAX: 212-218-2200
; INFORMATION FOR SEQ ID NO: 67 :
; SEQUENCE CHARACTERISTICS:
; LENGTH: 523 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Campanula medium
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 180 to 1748
; IDENTIFICATION METHOD: by experiment
US-08-606-505B-67

Query Match 7.7%; Score 8; DB 3; Length 523;
Best Local Similarity 100.0%; Pred. No. 7.5;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 53 SSASASAS 60
| | | | | | | |
Db 209 SSASASAS 216

RESULT 14

US-09-616-990-67
; Sequence 67, Application US/09616990
; Patent No. 6232109

GENERAL INFORMATION:
APPLICANT: KIKUCHI, Yasuhiro
KIKUCHI, Yasuhiro
SHIMADA, Yukihisa
OHAYASHI, Masaya
SHIMADA, Ritsuko
OKINAKA, Yasushi
TITLE OF INVENTION: NOVEL PLANT GENES
NUMBER OF SEQUENCES: 67
CORRESPONDENCE ADDRESS:
ADDRESSEE: FITZPATRICK, CELLA, HARPER & SCINTO
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10112-3801
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.50 inch, 720 Kb storage.
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS Ver3.30
SOFTWARE: PATENT AID Ver1.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/616,990
FILING DATE: 14-Jul-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP44963/92
FILING DATE: 02-MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: PERTY, Lawrence S.
REGISTRATION NUMBER: 31865
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-218-2100
TELEFAX: 212-218-2200
INFORMATION FOR SEQ ID NO: 67:
SEQUENCE CHARACTERISTICS:
LENGTH: 523 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Campanula medium
FEATURE:
NAME/KEY: CDS
LOCATION: 180 to 1748
IDENTIFICATION METHOD: by experiment
SEQUENCE DESCRIPTION: SEQ ID NO: 67
US-09-616-990-67
Query Match 7.7%; Score 8; DB 3; Length 523;
Best Local Similarity 100.0%; Pred. No. 7.5;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 53 SSASASAS 60
Db 209 SSASASAS 216
RESULT 15
US-09-252-991A-16754
Sequence 16754, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 16754
LENGTH: 536
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-16754
Query Match 7.7%; Score 8; DB 4; Length 536;
Best Local Similarity 100.0%; Pred. No. 7.7;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 53 SSASASAS 60
Db 40 SSASASAS 47
Search completed: April 26, 2005, 12:25:16
Job time : 43 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 26, 2005, 12:09:56 ; Search time 132 Seconds
(without alignments)
262.199 Million cell updates/sec

Title: US-09-814-661A-2

Perfect score: 537

Sequence: 1 MQNSQDYFYAQNRCQQQAP.....FGSGELKSMFNQCKVEEMDF 104

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1424015 seqs, 332791073 residues

Total number of hits satisfying chosen parameters: 1424015

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Published Applications AA.*
- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
 - 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
 - 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
 - 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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 - 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
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 - 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
 - 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
 - 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
 - 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
 - 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
 - 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
 - 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
 - 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
 - 17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
 - 18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
 - 19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
 - 20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	537	100.0	104	9	US-09-814-661A-2
2	75.5	14.1	291	15	US-10-369-493-12467
3	75	14.0	560	15	US-10-220-955-20
4	71	13.2	132	15	US-10-424-599-231651
5	71	13.2	810	15	US-10-289-762-20
6	71	13.2	810	15	US-10-393-409-5
7	71	13.2	811	15	US-10-312-273-355
8	71	13.2	811	15	US-10-393-409-4
9	70.5	13.1	166	15	US-10-389-674-42
10	70.5	13.1	255	15	US-10-425-114-39360
11	70.5	13.1	392	16	US-10-741-601-307
12	70.5	13.1	392	17	US-10-741-600-867
13	70.5	13.1	1272	16	US-10-437-963-191304

14	70.5	13.1	1502	16	US-10-437-963-131135	Sequence 131135,
15	70	13.0	208	16	US-10-437-963-124735	Sequence 124735,
16	70	13.0	762	16	US-10-437-963-122020	Sequence 122020,
17	69	12.8	1063	15	US-10-149-310-294	Sequence 294, App
18	69	12.8	1270	16	US-10-408-765A-2253	Sequence 2253, Ap
19	69	12.8	1321	15	US-10-271-507-2	Sequence 2, Appli
20	68.5	12.8	139	15	US-10-424-599-189364	Sequence 189364,
21	68.5	12.8	166	15	US-10-389-674-65	Sequence 65, Appl
22	68.5	12.8	387	15	US-10-425-114-42515	Sequence 42515, A
23	68.5	12.8	540	15	US-10-094-749-1654	Sequence 1654, Ap
24	68.5	12.8	710	15	US-10-282-122A-57158	Sequence 57158, A
25	68.5	12.8	785	9	US-09-801-368-348	Sequence 348, App
26	68.5	12.8	1068	9	US-09-801-368-242	Sequence 242, App
27	68.5	12.8	1068	15	US-10-149-310-292	Sequence 292, App
28	68	12.7	146	16	US-10-767-701-48741	Sequence 48741, A
29	68	12.7	174	15	US-10-424-599-173047	Sequence 173047,
30	68	12.7	430	15	US-10-425-114-72573	Sequence 72573, A
31	68	12.7	486	9	US-09-801-368-398	Sequence 398, App
32	68	12.7	486	15	US-10-369-493-1449	Sequence 1449, Ap
33	68	12.7	1019	14	US-10-270-333-93	Sequence 93, Appl
34	68	12.7	2843	8	US-08-681-219-32	Sequence 32, Appl
35	68	12.7	2843	9	US-09-987-482-1	Sequence 1, Appli
36	68	12.7	2843	10	US-09-230-111C-30	Sequence 30, Appl
37	68	12.7	2843	14	US-10-092-138-30	Sequence 30, Appl
38	68	12.7	2843	15	US-10-392-113-21	Sequence 21, Appl
39	68	12.7	2843	16	US-10-408-765A-1970	Sequence 1970, Ap
40	68	12.7	2844	15	US-10-267-502-370	Sequence 370, App
41	67.5	12.6	209	13	US-10-124-557-94	Sequence 94, Appl
42	67.5	12.6	220	13	US-10-124-557-96	Sequence 96, Appl
43	67.5	12.6	260	14	US-10-156-761-13855	Sequence 13855, A
44	67.5	12.6	792	9	US-09-802-207-27	Sequence 27, Appl
45	67.5	12.6	950	15	US-10-108-260A-4492	Sequence 4492, Ap

ALIGNMENTS

RESULT 1

US-09-814-661A-2

; Sequence 2, Application US/09814661A

; Patent No. US20020151016A1

; GENERAL INFORMATION:

; APPLICANT: Rothstein, Rodney

; APPLICANT: Zhao, Xiaolan

; TITLE OF INVENTION: A SMALL PROTEIN THAT INTERACTS WITH A RIBONUCLEOTIDE REDUCTASE SUI

; TITLE OF INVENTION: AND USES THEREOF

; FILE REFERENCE: 0575/56615-A-PCT-US

; CURRENT APPLICATION NUMBER: US/09/814, 661A

; CURRENT FILING DATE: 2001-03-22

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 2

; LENGTH: 104

; TYPE: PRT

; ORGANISM: S. Cerevisiae

US-09-814-661A-2

Query Match 100.0%; Score 537; DB 9; Length 104;

Best Local Similarity 100.0%; Pred. No. 2,6e-54;

Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MQNSQDYFYAQNRCQQQAPSTLRVTMAEFRVRVLPMPMAEVPMLSTQNSMGSSASAS 60

DB 1 MQNSQDYFYAQNRCQQQAPSTLRVTMAEFRVRVLPMPMAEVPMLSTQNSMGSSASAS 60

QY 61 SLEMEKDLERELNSIDHDMNNKFGSGELKSMFNQCKVEEMDF 104

DB 61 SLEMEKDLERELNSIDHDMNNKFGSGELKSMFNQCKVEEMDF 104

RESULT 2

US-10-369-493-12467

; Sequence 12467, Application US/10369493

Publication No. US20030233675A1
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
PRIOR FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 12467
LENGTH: 291
TYPE: PRT
ORGANISM: Aspergillus nidulans
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(291)
OTHER INFORMATION: unsure at all xaa locations
US-10-369-493-12467

Query Match 14.1%; Score 75.5; DB 15; Length 291;
Best Local Similarity 25.0%; Pred. No. 3.9;
Matches 27; Conservative 22; Mismatches 40; Indels 19; Gaps 5;
QY 2 QNSQDY-----FYAQRCCQQQAPSTLRTVTMAEFRRVPLPMAEVPMLSTQNSGSSAS 56
DB 59 RSSQYGOAVSQADVTCTD--CSSIISQAISTFKRVDI-----LINNVGIAGAPGT 109
QY 57 ASASSLEWEKDLERLNSI-----DHDMMNNKFGSGELK-SMENOQKV 99
DB 110 ATVDMSKSLVNVNSWLMKHAIPAMQKNGEINGSIVNMGV 157

RESULT 3
US-10-220-955-20
Sequence 20, Application US/10220955
Publication No. US20030211989A1
GENERAL INFORMATION:
APPLICANT: FLOWMAN, GREGORY D.
APPLICANT: WHYTE, DAVID
APPLICANT: MANNING, GERARD
APPLICANT: SUDARSANAM, SUCHA
APPLICANT: MARTINEZ, RICARDO
TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES AND PROTEIN KINASE-LIKE
FILE REFERENCE: 038602-1401
CURRENT APPLICATION NUMBER: US/10/220,955
CURRENT FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 20
LENGTH: 560
TYPE: PRT
ORGANISM: Homo sapiens
US-10-220-955-20

Query Match 14.0%; Score 75; DB 15; Length 560;
Best Local Similarity 35.9%; Pred. No. 11;
Matches 23; Conservative 7; Mismatches 32; Indels 2; Gaps 1;
QY 36 LPPMAEVPMLSTQNSGSSASASSLEWEKDLERLNSIDHDMMNNKFGSGELKSMFN 95
DB 190 LPPMASLDQL--QARFGNSPPGSLSLRLMQADRLRLAQIRRASQVPALGFGQLSSLWP 247
QY 96 QGKV 99
DB 248 PGLV 251

RESULT 4
US-10-424-599-231651
Sequence 231651, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 231651
LENGTH: 132
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_51201C.1.pap
US-10-424-599-231651

Query Match 13.2%; Score 71; DB 15; Length 132;
Best Local Similarity 29.3%; Pred. No. 4.5;
Matches 17; Conservative 13; Mismatches 16; Indels 12; Gaps 2;
QY 39 MAEVPMLSTQNSGSSASASSLEWEKDLERLNSIDHDMMNNKFGSGELKSMFNQ 96
DB 1 MAHIPQPTNDAAAGANPSMTTISLYVGD-----DHDVND-----POLYDLFNQ 46

RESULT 5
US-10-289-762-20
Sequence 20, Application US/10289762
Publication No. US20040006218A1
GENERAL INFORMATION:
APPLICANT: Grifffais, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
thereof and uses thereof, in particular for the diagnosis, prevention
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
TITLE OF INVENTION: and treatment of infection
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/10/289,762
CURRENT FILING DATE: 2003-03-27
NUMBER OF SEQ ID NOS: 6849
SEQ ID NO 20
LENGTH: 810
TYPE: PRT
ORGANISM: Chlamydia pneumoniae
US-10-289-762-20

Query Match 13.2%; Score 71; DB 15; Length 810;
Best Local Similarity 27.8%; Pred. No. 51;
Matches 22; Conservative 11; Mismatches 20; Indels 26; Gaps 2;
QY 14 CQOQAPSTLRTVTMAEFRRVPLPMAEVPMLSTQNSGSSASASSLEWEK-----67
DB 559 CRIEIEKTLR-----MAELPLLPTKKAFAKACSQYNSCAEMLEKVKPYCK 604
QY 68 -----DLEERLNSIDHDM 80
DB 605 ESLAYVTSKERLVSLDEDL 623

RESULT 6
US-10-393-409-5
Sequence 5, Application US/10393409
Publication No. US20040029146A1
GENERAL INFORMATION:
APPLICANT: Denamur, Erick
APPLICANT: Rocha, Eduardo
APPLICANT: Sayada, Chalomo

```

RESULT 8
US-10-393-409-4
; Sequence 4, Application US/10393409
; Publication No. US20040029146A1
; GENERAL INFORMATION:
; APPLICANT: Denamur, Erick
; APPLICANT: Rocha, Eduardo
; APPLICANT: Sayada, Chalom
; TITLE OF INVENTION: POLYMORPHIC REPETITIVE SEQUENCES IN
; TITLE OF INVENTION: CHLAMYDIAE AND USES THEREOF
; FILE REFERENCE: 50150/034002
; CURRENT APPLICATION NUMBER: US/10/393,409
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: 60/366,477
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 811
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-10-393-409-4

Query Match 13.2%; Score 71; DB 15; Length 811;
Best Local Similarity 27.8%; Pred. No. 51;
Matches 22; Conservative 11; Mismatches 20; Indels 26; Gaps 2;

QY 14 CQCOQAPSTLRTVTWMAEFRVPLPPMAEYVPMMLSTONSGSSASASASLEWKE----- 67
DB 560 CRIEETKTLR-----MDELFLPTKKAFAKACSYNSCAEMLEKVKPYCK 605
QY 68 -----DLERLNSIDHDM 80
DB 606 ESLAYVTSKERLVSLDEDL 624

RESULT 9
US-10-389-674-42
; Sequence 42, Application US/10389674
; Publication No. US20040002474A1
; GENERAL INFORMATION:
; APPLICANT: CHEN, TEDDY
; APPLICANT: PATTEN, PHILLIP A.
; TITLE OF INVENTION: IFN-ALPHA HOMOLOGUES
; FILE REFERENCE: 02-101510/0140.002
; CURRENT APPLICATION NUMBER: US/10/389,674
; CURRENT FILING DATE: 2003-03-14
; PRIOR APPLICATION NUMBER: US/09/685,189
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 09/415,183
; PRIOR FILING DATE: 1999-10-07
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic amino acid
US-10-389-674-42

Query Match 13.1%; Score 70.5; DB 15; Length 166;
Best Local Similarity 28.0%; Pred. No. 7;
Matches 23; Conservative 16; Mismatches 24; Indels 19; Gaps 3;

QY 1 MNSQDYFYAQ-----NRCCQQQAPSTLRTVTWMAEFRVPLPPMAEYVPMMLSTONSGSSA 55
DB 30 LKDDRGFGFQFQEFQDGNRFQKAAISVLHMIQOTFN-----LFSTKN-----SSA 75

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73 LNSIDHDMNN-NKF 85
|::|:| | | |

950 KVA P N S V Q L Q M M Q Q Q Q S R K M M M G L G S P A N M G N M V N N V V G L N N I G N V M G M G N V R P M 1005


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Query Match      13.0%; Score 70; DB 16; Length 208;  
Best Local Similarity 25.3%; Pred. No. 11;  
Matches 20; Conservative 16; Mismatches 35; Indels 8; Gaps 1;  
  
QY       7 YFQAQRCCQQCAPSTLRTVTMAEERVRVLPMPAEVPMLSTQNMSGSSASASASSL----- 62  
DB     118 YFEAPSHCMGRPADPSPDPLLSQIFCCSLAPPVDSPRRSEADAEHGSGSSDDDKKREQ 177  
        ||| :||: |:::||:| ::||:| ::||:| ::||:  
        :|:|: |:|:|:|:|:|:|:|  
QY    63 ----ENWEKDLEERLNISID 77  
        :|||||:|:  
        :|||||:|:  
DB   178 GWMDASKKEELEERLORIE 196
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Search completed: April 26, 2005, 12:24:27
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Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
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2	72.5	13.5	369	4	US-09-248-796A-23009		Sequence 23009, A
3	71.5	13.3	201	4	US-09-248-796A-16686		Sequence 16686, A
4	71	13.2	493	4	US-09-438-185A-12		Sequence 12, Appl
5	71	13.2	810	4	US-09-198-452A-20		Sequence 20, Appl
6	71	13.2	819	4	US-09-438-185A-1055		Sequence 1055, Ap
7	69.5	12.9	883	4	US-09-489-039A-12755		Sequence 12755, A
8	68.5	12.8	719	4	US-09-134-000C-5427		Sequence 5427, Ap
9	68	12.7	2842	1	US-07-741-940-7		Sequence 7, Appl
10	68	12.7	2842	1	US-08-289-548A-7		Sequence 7, Appl
11	68	12.7	2842	1	US-08-452-654-7		Sequence 7, Appl
12	68	12.7	2842	1	US-08-449-731-7		Sequence 7, Appl
13	68	12.7	2843	1	US-07-741-940-2		Sequence 2, Appl
14	68	12.7	2843	1	US-08-289-548A-2		Sequence 2, Appl
15	68	12.7	2843	1	US-08-452-654-2		Sequence 2, Appl
16	68	12.7	2843	1	US-08-452-655B-2		Sequence 2, Appl
17	68	12.7	2843	1	US-08-452-655B-7		Sequence 7, Appl
18	68	12.7	2843	2	US-08-370-235A-2		Sequence 2, Appl
19	68	12.7	2843	3	US-08-450-58A-2		Sequence 2, Appl
20	68	12.7	2843	3	US-08-450-58B-7		Sequence 7, Appl
21	68	12.7	2843	4	US-08-449-731-2		Sequence 2, Appl
22	68	12.7	2843	4	US-10-092-138A-30		Sequence 30, Appl
23	68	12.7	2843	4	US-09-538-092-1007		Sequence 1007, Ap
24	68	12.7	2843	2	US-08-821-355A-7		Sequence 7, Appl
25	68	12.7	2843	2	US-09-003-687A-7		Sequence 7, Appl
26	68	12.7	2973	3	US-07-757-605-7		Sequence 7, Appl
27	67.5	12.6	209	4	US-07-757-022B-94		Sequence 94, Appl

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; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 23009
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-23009

Query Match      13.5%; Score 72.5; DB 4; Length 369;
Best Local Similarity 26.7%; Pred. No. 1.2;
Matches 20; Conservative 17; Mismatches 37; Indels 1; Gaps 1;

QY 30 EFRVLPMAEVPMLSTONMGSSASASASLEMMWE-KDLERLNSIDHDMNNKFGSG 88
Db 97 DFLGAPPFTADLPHNNNGNNGNNSKYSLPLSETTTTSNRYYNNDVLPSPNTEFTA 156

QY 89 ELKSMFNQGVKVEEMD 103
Db 157 EIGAYVKDSKLNND 171

RESULT 3
US-09-248-796A-16686
; Sequence 16686, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 16686
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-16686

Query Match      13.3%; Score 71.5; DB 4; Length 201;
Best Local Similarity 29.2%; Pred. No. 0.66;
Matches 21; Conservative 9; Mismatches 31; Indels 11; Gaps 3;

QY 43 PMLSTONMGSSASASASLEMMW---EKDLERLNSIDHDMNNN-----KCGSGELKSMF 94
Db 69 PQLETVDFKFNVEISVSTSSFSWLRLNEPELRKRYNQADPKFSKSKRKVKYKYGINKAM 128

QY 95 NQ---GKVEEMD 103
Db 129 DKLVGTGMIERN 140

RESULT 4
US-09-438-185A-12
; Sequence 12, Application US/09438185A
; Patent No. 6822071
; GENERAL INFORMATION:
; APPLICANT: Stephens, Richard
; APPLICANT: Mitchell, Wayne
; APPLICANT: Kalman, Sue
; APPLICANT: Davis, Ronald
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence
; FILE REFERENCE: 018941-000411US
; CURRENT APPLICATION NUMBER: US/09/438,185A
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/108,279
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 60/128,606
; PRIOR FILING DATE: 1999-04-08
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; NUMBER OF SEQ ID NOS: 1074
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 493
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
; FEATURE:
; OTHER INFORMATION: CPN0010.1
US-09-438-185A-12

Query Match      13.2%; Score 71; DB 4; Length 493;
Best Local Similarity 27.8%; Pred. No. 2.9;
Matches 22; Conservative 11; Mismatches 20; Indels 26; Gaps 2;

QY 14 CQQQQAQSTLTVTVAEFRVRVLPMAEVPMLSTONMGSSASASASLEMMWEK-----67
Db 245 CRIBIEIKTLR-----MAELPLPTTKAFKACQSYNSCAEMLEKVKPYCK 290

QY 68 -----DLEERLNSIDHDM 80
Db 291 ESLAYVTSKERLVSLDEDL 309

RESULT 5
US-09-198-452A-20
; Sequence 20, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffaia, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 20
; LENGTH: 810
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-20

Query Match      13.2%; Score 71; DB 4; Length 810;
Best Local Similarity 27.8%; Pred. No. 6;
Matches 22; Conservative 11; Mismatches 20; Indels 26; Gaps 2;

QY 14 CQQQQAQSTLTVTVAEFRVRVLPMAEVPMLSTONMGSSASASASLEMMWEK-----67
Db 559 CRIBIEIKTLR-----MAELPLPTTKAFKACQSYNSCAEMLEKVKPYCK 604

QY 68 -----DLEERLNSIDHDM 80
Db 605 ESLAYVTSKERLVSLDEDL 623

RESULT 6
US-09-438-185A-1055
; Sequence 1055, Application US/09438185A
; Patent No. 6822071
; GENERAL INFORMATION:
; APPLICANT: Stephens, Richard
; APPLICANT: Mitchell, Wayne
; APPLICANT: Kalman, Sue
; APPLICANT: Davis, Ronald
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence
; FILE REFERENCE: 018941-000411US
; CURRENT APPLICATION NUMBER: US/09/438,185A
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/108,279
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 60/128,606
; PRIOR FILING DATE: 1999-04-08
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; NUMBER OF SEQ ID NOS: 1074
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1055
; LENGTH: 819
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
; FEATURE:
; OTHER INFORMATION: CPn1054
; US-09-438-185A-1055

Query Match
Best Local Similarity 13.2%; Score 71; DB 4; Length 819;
Matches 22; Conservative 11; Mismatches 20; Indels 26; Gaps 2;

QY 14 CQQQAPSTLRTVTWAEFRVLPMAEVPMLSTQNSMGSSLSASASSLEWMEK-----67
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 568 CRIBIEKTLR-----MAELPLPTTKAPEKA/SQYNSCAEMLEKVPCK 613
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 68 -----DLERLNSIDHDM 80
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 614 ESLAYVTSKERLVSLEDL 632
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

RESULT 7
US-09-489-039A-12755
; Sequence 12755, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12755
; LENGTH: 883
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-12755

Query Match
Best Local Similarity 12.9%; Score 69.5; DB 4; Length 883;
Matches 20; Conservative 13; Mismatches 31; Indels 13; Gaps 3;

QY 41 EYPMMLSTQNSMGSSAS-----ASASSLEWME-----KDLERLNSIDHDMNNKFGSG- 88
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 478 EQAILRAQQSLGKSATQAIQIAGKYAAAWDAADAAAAGVTEALNAIPEQAENKSYAESM 537
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 89 -ELKSMFNQGVEMDF 104
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 538 QNLKAALNAGKIDLQEY 554
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

RESULT 8
US-09-134-000C-5427
; Sequence 5427, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5427
; LENGTH: 719
```

```
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
; US-09-134-000C-5427

Query Match
Best Local Similarity 12.8%; Score 68.5; DB 4; Length 719;
Matches 19; Conservative 12; Mismatches 34; Indels 5; Gaps 1;

QY 8 FYAQNRCQQQAPSTLRTVTWAEFRVLP-----PPMAEVPMLSTQNSMGSSASASASL 62
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 390 FYAEHATDETASSAPEAVNQTERAVDPMDDPFAPFVPESTSVABETSAYETSSAAADSA 449
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 63 EWEKDLER 72
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 450 NHWETASNEQ 459
|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

RESULT 9
US-07-741-940-7
; Sequence 7, Application US/07741940
; Patent No. 5352775
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/741,940
; FILING DATE: 19920109
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.035574
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2842 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: APC
; US-07-741-940-7

Query Match
Best Local Similarity 12.7%; Score 68; DB 1; Length 2842;
; SEQ ID NO 5427
; LENGTH: 719
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Matches 27; Conservative 17; Mismatches 33; Indels 20; Gaps 3;
Qy 18 QAPSTLRTVTMAEPRRVLPPMAEVPMLSTQNSMGSSA---SASASSLEWWEKDLERLN 74
Db 2533 EFSRPLPINSRGTWKRHSKSSLPVSTWRTGTGSSSSILSASSESEKAKSEDEKHVN 2592
Qy 75 SIDHDMNNKFGSGELKSMFNO-----GKVEEMDF 104
Db 2593 SI-----SGTKQSKENQVSAKGTWRKIKENEF 2619

RESULT 10
US-08-289-548A-7
; Sequence 7, Application US/08289548A
; Patent No. 5648212
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Allegretti, LTD
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/289,548A
; FILING DATE: 12-AUG-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.46943
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2842 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: APC
; US-08-289-548A-7

Query Match 12.7%; Score 68; DB 1; Length 2842;
Best Local Similarity 27.8%; Pred. No. 92;
Matches 27; Conservative 17; Mismatches 33; Indels 20; Gaps 3;
Qy 18 QAPSTLRTVTMAEPRRVLPPMAEVPMLSTQNSMGSSA---SASASSLEWWEKDLERLN 74
Db 2533 EFSRPLPINSRGTWKRHSKSSLPVSTWRTGTGSSSSILSASSESEKAKSEDEKHVN 2592

Qy 75 SIDHDMNNKFGSGELKSMFNO-----GKVEEMDF 104
Db 2593 SI-----SGTKQSKENQVSAKGTWRKIKENEF 2619
RESULT 11
US-08-452-654-7
; Sequence 7, Application US/08452654
; Patent No. 5691454
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; APPLICANT: ANAND, RAKESH
; APPLICANT: CARLSON, MARY
; APPLICANT: GRODEN, JOANNA
; APPLICANT: HEDGE, PHILIP J.
; APPLICANT: JOSLYN, GEOFF
; APPLICANT: KINZLER, KENNETH
; APPLICANT: MARKHAM, ALEXANDER F.
; APPLICANT: NAKAMURA, YUSUKE
; APPLICANT: THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/452,654
; FILING DATE: 25-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/741,940
; FILING DATE: 08-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.035574
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2842 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: APC
; US-08-452-654-7

Query Match 12.7%; Score 68; DB 1; Length 2842;
Best Local Similarity 27.8%; Pred. No. 92;
Matches 27; Conservative 17; Mismatches 33; Indels 20; Gaps 3;
Qy 18 QAPSTLRTVTMAEPRRVLPPMAEVPMLSTQNSMGSSA---SASASSLEWWEKDLERLN 74
Db 2533 EFSRPLPINSRGTWKRHSKSSLPVSTWRTGTGSSSSILSASSESEKAKSEDEKHVN 2592
Qy 75 SIDHDMNNKFGSGELKSMFNO-----GKVEEMDF 104
Db 2593 SI-----SGTKQSKENQVSAKGTWRKIKENEF 2619

RESULT 12
US-08-449-731-7
; Sequence 7, Application US/08449731
; Patent No. 6413727
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; ANAND, RAKESH
; CARLSON, MARY
; GRODEN, JOANNA
; HEDGE, PHILIP J.
; JOSLYN, GEOFF
; KINZLER, KENNETH
; MARKHAM, ALEXANDER F.
; NAKAMURA, YUSUKE
; THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; GENE IN COLORECTAL CANCER IN HUMANS
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Allegretti, LTD
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/449,731
; FILING DATE: 12-AUG-1994
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/289,548
; FILING DATE: 25-May-1995
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.46943
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2842 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: APC
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-08-449-731-7

Query Match 12.7%; Score 68; DB 4; Length 2842;
Best Local Similarity 27.8%; Pred. No. 92;
Matches 27; Conservative 17; Mismatches 33; Indels 20; Gaps 3;
QY 18 QAPSTLRTVTMAEFRRVPLPPMAEVPMLSTQNSGSSA---SASASSLEWWEKDLERLN 74
DB 2533 ESPSLRPLNRSCTWKREHSKHSSLPVSTWRTGSSSIISASSESEKAKSEDEKHVN 2592
QY 75 SIDHDMNNKFGSGELKSMFNO-----GKVEEMDF 104
DB 2593 SI-----SGTKQSKENQVSAKGTWRKIKENE 2619

RESULT 13
US-07-741-940-2
; Sequence 2, Application US/07741940
; Patent No. 5352775
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; ANAND, RAKESH
; CARLSON, MARY
; GRODEN, JOANNA
; HEDGE, PHILIP J.
; JOSLYN, GEOFF
; KINZLER, KENNETH
; MARKHAM, ALEXANDER F.
; NAKAMURA, YUSUKE
; THLIVERIS, ANDREW
; TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
; GENE IN COLORECTAL CANCER IN HUMANS
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001-4598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/741,940
; FILING DATE: 19920109
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.035574
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2843 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-741-940-2
Query Match 12.7%; Score 68; DB 1; Length 2843;
Best Local Similarity 27.8%; Pred. No. 92;
Matches 27; Conservative 17; Mismatches 33; Indels 20; Gaps 3;
QY 18 QAPSTLRTVTMAEFRRVPLPPMAEVPMLSTQNSGSSA---SASASSLEWWEKDLERLN 74
DB 2534 ESPSLRPLNRSCTWKREHSKHSSLPVSTWRTGSSSIISASSESEKAKSEDEKHVN 2593
QY 75 SIDHDMNNKFGSGELKSMFNO-----GKVEEMDF 104
DB 2594 SI-----SGTKQSKENQVSAKGTWRKIKENE 2620

RESULT 14
US-08-289-548A-2
; Sequence 2, Application US/08289548A
; Patent No. 5648212
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, HANS
; ANAND, RAKESH
; CARLSON, MARY
; GRODEN, JOANNA
; HEDGE, PHILIP J.
; JOSLYN, GEOFF

```
/ APPLICANT: KINZLER, KENNETH
/ APPLICANT: MARKHAM, ALEXANDER F.
/ APPLICANT: NAKAMURA, YUSUKE
/ APPLICANT: THLIVERIS, ANDREW
/ TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
/ TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
/ NUMBER OF SEQUENCES: 102
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Banner & Allegretti, LTD
/ STREET: 1001 G Street, NW
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20001-4598
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ FILING DATE: 12-AUG-1994
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kagan, Sarah A.
/ REGISTRATION NUMBER: 32,141
/ REFERENCE/DOCKET NUMBER: 1107.46943
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-508-9100
/ TELEFAX: 202-508-9299
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2843 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-08-289-548A-2

Query Match 12.7%; Score 68; DB 1; Length 2843;
Best Local Similarity 27.8%; Pred. No. 92;
Matches 27; Conservative 17; Mismatches 33; Indels 20; Gaps 3;

QY 18 QAPSTLRTVTMAEPRVPLPPMAEVPMLSTQNSMGSSA---SASASSLEMEKDLERLN 74
Db 2534 ESPSLRPLNRSQGTWKREHSKSSSLPRVSTWRTGSSSILSASSESEKAKSEDEKHVN 2593

QY 75 SIDHDMNNKFGSGELKSMFNO-----GKVEEMDF 104
Db 2594 SI-----SGTKQSKENQVSAKGTWRKIKENE 2620

RESULT 15
US-08-452-654-2
/ Sequence 2, Application US/08452654
/ Patent No. 5691454
/ GENERAL INFORMATION:
/ APPLICANT: ALBERTSEN, HANS
/ APPLICANT: ANAND, RAKESH
/ APPLICANT: CARLSON, MARY
/ APPLICANT: GRODEN, JOANNA
/ APPLICANT: HEDGE, PHILIP J.
/ APPLICANT: JOSLYN, GEOFF
/ APPLICANT: KINZLER, KENNETH
/ APPLICANT: MARKHAM, ALEXANDER F.
/ APPLICANT: NAKAMURA, YUSUKE
/ APPLICANT: THLIVERIS, ANDREW
/ TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
/ TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
/ NUMBER OF SEQUENCES: 94
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Banner, Birch, McKie & Beckett
/ STREET: 1001 G Street, NW
/ CITY: Washington
```

```
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20001-4598
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ FILING DATE: 25-MAY-1995
/ CLASSIFICATION: 536
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/741,940
/ FILING DATE: 08-AUG-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kagan, Sarah A.
/ REGISTRATION NUMBER: 32,141
/ REFERENCE/DOCKET NUMBER: 1107.035574
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-508-9100
/ TELEFAX: 202-508-9299
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2843 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-08-452-654-2

Query Match 12.7%; Score 68; DB 1; Length 2843;
Best Local Similarity 27.8%; Pred. No. 92;
Matches 27; Conservative 17; Mismatches 33; Indels 20; Gaps 3;

QY 18 QAPSTLRTVTMAEPRVPLPPMAEVPMLSTQNSMGSSA---SASASSLEMEKDLERLN 74
Db 2534 ESPSLRPLNRSQGTWKREHSKSSSLPRVSTWRTGSSSILSASSESEKAKSEDEKHVN 2593

QY 75 SIDHDMNNKFGSGELKSMFNO-----GKVEEMDF 104
Db 2594 SI-----SGTKQSKENQVSAKGTWRKIKENE 2620

Search completed: April 26, 2005, 12:13:02
Job time : 44 secs
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